

# Contents: Anaesthesia, vol. 41, no. 1, January 1986

## EDITORIAL

- Transdermal hyoscine (scopolamine) and postoperative vomiting  
*J.K. Aronson and J.W. Sear* 1

## ORIGINAL ARTICLES

- Thiopentone levels during cardiopulmonary bypass. Changes in plasma protein binding during continuous infusion  
*D.J. Morgan, D.P. Crankshaw, P.R. Prideaux, H.N.J. Chan and M.D. Boyd* 4
- C-reactive protein in patients undergoing cardiac surgery  
*H. Boralessa, F.C. De Beer, A. Manchie, J.G. Whitwam and B. Pepys* 11
- Transdermal hyoscine and postoperative nausea and vomiting  
*J. Uppington, J. Dunnet and C.E. Blogg* 16
- Intramuscular midazolam premedication in small children. A comparison with papaveretum and hyoscine  
*M.B. Taylor, P.R. Vine and D.J. Hatch* 21
- Lower limb blocks for children. Lateral cutaneous and femoral nerve blocks for postoperative pain relief in paediatric practice  
*L.R. McNicol* 27
- Longterm treatment with epidural opioids. A retrospective study comprising 150 patients treated with morphine chloride and buprenorphine  
*P. Carl, M.E. Crawford, O. Ravlo and V. Bach* 32
- Computerised tomography guided lumbar sympathectomy  
*D.R.O. Redman, P. N. Robinson and M.A. Al-Kutoubi* 39

## HISTORICAL

- Alfred Kirstein. Pioneer of direct laryngoscopy  
*N.P. Hirsch, G.B. Smith and P.O. Hirsch* 42
- Stanley Rowbotham. Twentieth century pioneer anaesthetist  
*H.A. Condon and E. Gilchrist* 46

## CASE REPORTS

- Phenelzine poisoning  
*F.X. Breheny, G.J. Dobb and G.M. Clarke* 53
- Acute upper airway obstruction. Spontaneous retropharyngeal haematoma in a patient with polycythaemia rubra vera  
*J.W. Mackenzie and J.A. Jellicoe* 57
- Detection of neurological damage during cardiopulmonary bypass  
*S.N.C. Bolsin* 61
- Neonatal tracheal perforation. A complication of tracheal intubation  
*B.J. McLeod and E. Sumner* 67

## APPARATUS

- Remote monitoring using an induction loop  
*M.J. Harrison and E.J. Slater* 71

## FORUM

- Cryoanalgesia for pain after herniorrhaphy  
*R.C. Khirya, H.T. Davenport and J.G. Jones* 73
- Epidural buprenorphine for postoperative analgesia. A controlled comparison with epidural morphine  
*J. Wolff, P. Carl and M.E. Crawford* 77

## CORRESPONDENCE

80

## AUDIOVISUAL REVIEWS

94

## ANAESTHETIC LITERATURE

97

## NEWS AND NOTICES

106

## ANNUAL REPORT OF COUNCIL

120

## STOP PRESS

128

# Contents: Anaesthesia, vol. 41, no. 2, February 1986

<b>EDITORIAL</b>	
A matter of vigilance <i>R. Green</i>	129
<b>ORIGINAL ARTICLES</b>	
Nuclear magnetic resonance. Its implications for the anaesthetist <i>C. Nixon, N.P. Hirsch, I.E.C. Ormerod and G. Johnson</i>	131
<i>In vitro</i> buffering capacity of Alka Seltzer Effervescent. A comparison with magnesium trisilicate mixture B.P. and sodium citrate 0.3 M <i>G.C. Murrell and M. Rosen</i>	138
Continuous infusion epidural analgesia in obstetrics. A comparison of 0.08% and 0.25% bupivacaine <i>A. Ewen, D.D. McLeod, D.M. MacLeod, Alison Campbell and M.E. Tunstall</i>	143
Bacterial contamination of compressed air for medical use <i>P. Bjerring and B. Øberg</i>	148
Time course of action of combinations of vecuronium and pancuronium <i>S.K. Pandit, C.J. Ferres, F.M. Gibson and R. K. Mirakhur</i>	151
Plasma bupivacaine concentrations following psoas compartment block <i>J.A. Odoom, W.W.A. Zuurmond, I.L. Sih, J. Bovill, G. Osterlöf and H.V. Oosting</i>	155
Pretreatment with opioids. The effect on thiopentone induction requirements and on the onset of action of midazolam <i>J.W. Dundee, N.J. Halliday, T.J. McMurray and K.W. Harper</i>	159
The haemodynamic effects of bronchoscopy. Effect of pretreatment with fentanyl and alfentanil <i>Kathryn J. Wark, J. Lyons and R. O. Feneck</i>	162
Assisted ventilation and the Servo ventilator in infants. An assessment of three systems used for CPAP/IMV <i>R.M. Bingham, D.J. Hatch and P.J. Helms</i>	168
Monitoring EEG frequency and amplitude during cardiac surgery <i>A. Murray, A.P. Glaria and D.T. Pearson</i>	173
Anaphylactoid reaction complicating neonatal anaesthesia <i>E.M.M. Pollock, A.D. MacLeod and L.R. McNicol</i>	178
<b>CASE REPORT</b>	
Ail that wheezes is not asthma <i>A.R. Lloyd-Thomas and G.H. Bush</i>	181
Amiodarone, phaeochromocytoma and cardiomyopathy <i>G. Solares, F. Ramos, R. Martín-Durán, J.M. San-José and M. Buitrago</i>	186
Anaesthesia for surgical occlusion of the basilar artery. A technique involving intra-operative awakening to allow neurological assessment <i>C.S. Child, M.P.D. Heining, I. Calder and H.A. Crockard</i>	191
<b>APPARATUS</b>	
A new device for the inflation of the antigravity suit <i>P.M. Brodrick</i>	195
An evaluation of the Datex Normac anaesthetic agent monitor <i>A.D. Colquhoun, W.M. Gray and A.J. Asbury</i>	198
<b>FORUM</b>	
Local complications following intravenous benzodiazepines in the dorsum of the hand. A comparison between midazolam and Diazemuls in sedation for dentistry <i>J.J. Margary, N.L. Rosenbaum, M. Partridge, S. Shankar</i>	205
<b>CORRESPONDENCE</b>	208
<b>BOOK REVIEWS</b>	227
<b>AUDIOVISUAL REVIEWS</b>	229
<b>INDEX OF COMPUTER PROGRAMS</b>	231
<b>ANAESTHETIC LITERATURE</b>	232
<b>STOP PRESS</b>	240

# Contents: Anaesthesia, vol. 41, no. 3, March 1986

---

## EDITORIAL

A crisis of learning in anaesthesia

*R.D. Jack*

241

## ORIGINAL ARTICLES

Plasma cholinesterase changes during the puerperium

*N. Robson, I. Robertson and M. Whittaker*

243

Diabetes mellitus and open heart surgery. A simple, practical closed-loop insulin infusion system for blood glucose control

*B.G. Watson, M.J. Elliott, D.A. Pay and M. Williamson*

250

Anxiety levels in junior anaesthetists during early training

*C.A. Pinnock, A.E. Elling, R.J. Eastley and G. Smith*

258

Meptazinol versus pethidine for postoperative pain relief in children

*S.A. Ridley, N.C. Matthews and J. Dixon*

263

Influence of induction of anaesthesia with midazolam on the neuro-endocrine response to surgery

*D. Dawson and J.W. Sear*

268

Blood glucose in anaesthetised children. Comparison of blood glucose concentrations in children fasted for morning and afternoon surgery

*N. Redfern, G.M. Addison and G. Meakin*

272

Midazolam in conservative dentistry. A cross-over trial

*R.A. Dixon, C. Kenyon, D.R.G. Marsh and J.A. Thornton*

276

Intubating conditions following pre-induction priming with alcuronium

*A.W. Harrop-Griffiths, R.M. Grounds and M. Moore*

282

Pressure changes in tracheal tube cuffs

*M. Chandler*

287

The stability of preservative-free morphine in plastic syringes

*R.J. Bray, P.A. Davies and J.A. Seviour*

294

## CASE REPORT

Anaesthesia for Friedreich's ataxia. Case report and review of the literature

*C.F. Bell, J.M. Kelly and R.S. Jones*

296

## APPARATUS

The Nellcor N-101 pulse oximeter. A clinical evaluation in anaesthesia and intensive care

*J.A. Tytler and H.F. Seeley*

302

Force exerted by epidural catheters

*P.A.J. Hardy*

306

Halothane and trichloroethylene. Two agents in a single vaporizer

*N. Hollis*

309

Clinical automatic control of neuromuscular blockade

*A.J. Asbury and D.A. Linkens*

316

## CORRESPONDENCE

321

## BOOK REVIEWS

339

## ANAESTHETIC LITERATURE

343

## STOP PRESS

349

## CORRECTION

349

# Contents: Anaesthesia, vol. 41, no. 4, April 1986

## EDITORIAL

- Adverse reactions to drugs and anaesthetists  
*J.W. Dundee* 351

## ORIGINAL ARTICLES

- Vecuronium induced neuromuscular blockade. The effect of increasing dose on speed of onset  
*W.R. Casson and R.M. Jones* 354
- A pre-induction test dose for suxamethonium  
*J. Carnie* 358
- An investigation of factors affecting postoperative rewarming of adult patients  
*F. Carli, M. Gabrielczyk, M.M. Clark and V.R. Aber* 363
- Obstetric anaesthetic services in Scotland in 1982  
*D.B. Scott and R.E.G. Aitken* 370
- Atracurium infusions in patients with renal failure on an ITU  
*R.B. Griffiths, J.M. Hunter and R.S. Jones* 375
- Profound atracurium induced neuromuscular blockade. A comparison of evoked reversal with edrophonium or neostigmine  
*W.R. Casson and R.M. Jones* 382
- Changes in skin thermal clearance during anaesthesia  
*J.L. Saumet, C.S. Degoute, A. Dittmar and V. Banssillon* 386
- The effect of halothane on cerebral electrical activity. An assessment using the cerebral function analysing monitor (CFAM)  
*K.J. Wark, P.S. Sebel, C. Verghese, D.E. Maynard and S.J.W. Evans* 390

## CASE REPORTS

- Anaesthesia for congenital analgesia. A case report  
*P.R. Layman* 395
- Raynaud's phenomenon precipitated by blood transfusion  
*J.K. Moore and D.W. Proctor* 398
- Accidental spinal anaesthesia following intrathoracic intercostal nerve blockade. A case report  
*M.R.J. Sury and R.M. Bingham* 401
- Carcinoid syndrome with myasthenia gravis. An unusual and interesting case  
*S.J. Keens, M.J. Desmond and J.E. Utting* 404
- Multiple complications after internal jugular vein catheterisation  
*Z. Gamulin, J.-C. Brückner, A. Forster, F. Simonet and J.-C. Rouge* 408

## APPARATUS

- The digital control of anaesthetic gas flow  
*R.W. Boaden and P. Hutton* 413

## FORUM

- The use of antacids as a prophylaxis against Mendelson's syndrome in the United Kingdom. A survey  
*B. Sweeney and I. Wright* 419
- Intravenous feeding with medium chain triglycerides. Effect on blood gases and the complement system in critically ill patients  
*M.J. Ball and J.W. Sear* 423

## CORRESPONDENCE

- 427

## ANAESTHETIC LITERATURE

- 447

## NEWS AND NOTICES

- 454

## THE ANNUAL CONFERENCE OF LINKMEN OF THE ASSOCIATION OF ANAESTHETISTS OF GREAT BRITAIN AND IRELAND, 1985

464

# Contents: Anaesthesia, vol. 41, no. 5, May 1986

## EDITORIAL

C. Langton Hewer, MB, BS, FFARCS, MRCP, DA

T.B. Boulton

469

## ORIGINAL ARTICLES

Single breath induction of anaesthesia, using a vital capacity breath of halothane, nitrous oxide and oxygen

N.C.T. Wilton and V.L. Thomas

472

Alfentanil supplemented anaesthesia for short procedures. A double-blind study of alfentanil used with etomidate and enflurane for day cases

R.I.W. Collin, G.B. Drummond and A.A. Spence

477

Sensitivity to propofol in the elderly

J.W. Dundee, F.P. Robinson, J.S.C. McCollum and C.C. Patterson

482

Premedication with cimetidine and metoclopramide. Effect on the risk factors of acid aspiration

S.K. Pandit, S.P. Kothary, U.A. Pandit and R.K. Mirakhor

486

Comparison of effects of fentanyl and alfentanil on intra-ocular pressure. A double-blind controlled trial

S.M. Mostafa, A. Lachari, D. Kumar and M. Bayoumi

493

Caudal analgesia for perianal surgery. A comparison between bupivacaine and diamorphine

P.M. Bailey and S. Sangwan

499

Influence of ketanserin pretreatment on the haemodynamic responses to sternotomy

J.N. Cashman, M.A. Thompson and A. Bennett

505

## CASE REPORT

Ventricular volume and ejection fraction in the diagnosis of the aetiology of low cardiac output in burned patients

J.A.J. Martyn, K. McKusick, H.W. Strauss and J.F. Burke

511

## APPARATUS

A portable oxygen generator

L.W. Hall, R.E.B. Kellagher and K.J. Fleet

516

Selective bronchial intubation for one lung anaesthesia in thoracic surgery. A new method

S. Nazari, R. Trazzi, F. Moncalvo, A. Zonta and M. Campani

519

A comparison of five heat and moisture exchangers

M. Shelly, D. W. Bethune and R.D. Latimer

527

## FORUM

Anaesthetic management and postoperative care of cardiac surgical patients in a general recovery ward

C. Aps, J.A. Hutter and B.T. Williams

533

Morbidity after day case laparoscopy. A comparison of two techniques of tracheal anaesthesia

M. Skacel, P. Sengupta and O.M. Plantevin

537

Bromazepam as oral premedication. A comparison with lorazepam

R. Ponnudurai and J. Hurdley

541

Fire in the operating theatre. Evacuation pre-planning may save lives

M.A. Moxon and M.E. Ward

543

## CORRESPONDENCE

547

## BOOK REVIEWS

562

## ANAESTHETIC LITERATURE

568

## SAFETY INFORMATION BULLETIN

574

## STOP PRESS

574

# Contents: Anaesthesia, vol. 41, no. 6, June 1986

## EDITORIAL

- Halothane hepatitis in children  
*B. Walton*

575

## ORIGINAL ARTICLES

- Increased hepatic microsomal activity after halothane anaesthesia in children  
*O. St Haxholdt, S. Loft, A. Clemmensen and E.H. Hjortso* 579
- The effects of continuous intravenous naloxone on epidural morphine analgesia  
*G.S. Thind, J.C.D. Wells and R.G. Wilkes* 582
- The influence of nitrous oxide on oxyhaemoglobin dissociation and measurement of oxygen tension  
*M.V. Shah, L.K. Anderson and N.A. Bergman* 586
- Propofol and alfentanil infusion. A comparison with methohexitone and alfentanil for major surgery  
*B. Kay* 589

## CASE REPORTS

- Peri-operative management of carcinoid syndrome using ketanserin  
*K. Houghton and J.A. Carter* 596
- Anaphylaxis to precurarising doses of gallamine triethiodide  
*J.F. Harrison and A.G. Bird* 600
- Pulmonary occlusion (wedge) angiography in adult respiratory distress syndrome. A survey of angiographic appearances and outcomes  
*P.G. Lawler* 605
- Halothane hepatitis in an 11-month-old child  
*R.H. Whitburn and E. Sumner* 611
- Acute rhabdomyolysis following surgery for burns. Possible role of tourniquet ischaemia  
*P.M. Pfeiffer* 614
- Intensive care aspects of severe *Legionella* pneumonia  
*K.J. Power and D.J. Bowen* 620
- Acute respiratory failure following lithium intoxication. A report of two cases  
*P.G. Lawler and J.R. Cove-Smith* 623

## APPARATUS

- A new double lumen tube adaptor. Use in adjustment of bronchial cuff volume and oxygenation  
*A.N. Sibai and A. Baraka* 628
- No moving parts. A modification of a Bain system and a Penlon Nuffield 200 ventilator  
*M.N. Calhaem* 631

## FORUM

- Intravenous fluids in minor surgery. Their effect on recovery from anaesthesia  
*P.W. Keane and P.F. Murray* 635
- Hypotensive anaesthesia for microsurgery of the middle ear. A comparison between isoflurane and halothane  
*M.L. Fairbairn, R.J. Eltringham, P.N. Young and J.M. Robinson* 637
- Intravenous anaesthesia with propofol and alfentanil. The influence of age and weight  
*P. Hilton, V.J. Dev and E. Major* 640
- Treatment of near drowning—a review of 130 cases  
*A.D. Simcock* 643

## CORRESPONDENCE

649

## ANAESTHETIC LITERATURE

682

## HAZARD NOTICE

688

## STOP PRESS

688

#### OTHER ARTICLES

##### Newspaper article

SHAFFER RA. Advances in chemistry are starting to unlock mysteries of the brain: discoveries could help to cure alcoholism and insomnia, explain mental illness. How the messengers work. *Wall Street Journal* 1977 Aug 12: 1(col 1), 10(col 1).

##### Magazine article

ROUECHE B. Annals of medicine: the Santa Claus culture. *The New Yorker* 1971 Sept 4: 66-81.

#### TABLES

Do not include tables in the text. Start a new sheet for each table and space the material adequately. The author(s) name(s) should appear in the top right-hand corner.

Indicate the approximate position of each table in relation to the subject matter of the text in the right-hand margin of the appropriate page on the manuscript. Do not submit tables as photographs. Number tables consecutively with arabic numerals. Supply a brief title for each. Give each column a short or abbreviated heading. Place explanatory matter in footnotes. Explain in footnotes all non-standard abbreviations that are used in each table. For footnotes, use the following symbols in this sequence: \*, †, ‡, §, ||, ¶, \*\*, ††, etc. Identify statistical measures of variations such as SD and SEM. Legends for tables should appear on the face of the table.

Cite each table in the text in consecutive order and mark the approximate position of the table in the right-hand margin of the text.

#### FIGURES

Each figure should be separate. Do not include figures in the text but collect together in an envelope or folder.

Indicate the approximate position of each figure in relation to the subject matter of the text in the right-hand margin of the appropriate page of the manuscript. Drawings, charts and diagrams should be submitted in black indian ink on a smooth white card and should be about twice the size of that desired in the published version with no lettering. Full plate, glossy black and white photographs will be accepted if they are sufficiently clear. All letters and numerals required on the face of figures must be clearly typed or written on tracing paper firmly attached with self-adhesive tape to the back of the figure and folded over from the front as a cover. They will then be printed in the style of *Anaesthesia* in the exact location indicated. Identify each figure by its sequential number in pencil on the reverse of the illustration and include the title of the paper and the authors' names. Mark the top of the illustration on the reverse by an arrow and the word 'Top'.

All sources of identification of patients must be removed.

#### LEGENDS FOR FIGURES

Start a new sheet

Type legends for illustrations double spaced with arabic numerals corresponding to the illustrations. When symbols, arrows, numbers or letters are used to identify parts of the illustrations, identify and explain each one clearly in the legend.

#### CONVENTIONS AND ABBREVIATIONS

Statistics and measurements should be given in figures except that numerals one to nine should be in words if not followed by a measurement symbol (e.g. 'two patients' but '2.0 mg'). The *Système International* (SI) will usually be used except that vascular pressures will be recorded in mmHg and cmH<sub>2</sub>O. Imperial measurements will not be used except in an historic context. The 24 hour clock will be used.

Contributors are advised to study the *SI Conversion Tables* provided in the January 1978 issue of *Anaesthesia, Units, Symbols and Abbreviations* (A Guide for Biological and Medical Editors and Authors) published by the Royal Society of Medicine, London W1M 8AE, and *Uniform requirements for manuscripts submitted to biomedical journals* (*British Medical Journal* 1979; 1: 532-5).

#### LETTERS FOR PUBLICATION

Should be addressed to Dr J. N. Lunn, Editor of *Anaesthesia*, Department of Anaesthetics, University of Wales Hospital, Heath Park, Cardiff CF4 4XW, UK.

Letters should be typewritten on one side of the paper only and double spaced with wide margins. Copy should be prepared in the usual style and format of the Correspondence section. Authors must follow the advice about references and other matters above. The degrees and diplomas of each author must be given in a covering letter which must be signed personally by all the authors.

Correspondence presented in any other style or format may be the subject to considerable delay and may be returned to the author for revision.

*The editors regret that failure to comply with the above requirements may result in a delay in publication of accepted papers.*

#### REVIEW JOURNALS

This journal is covered by *Current Contents*, *ASCA* and the *Science Citation Index*.